

9. A nucleic acid molecule encoding a mammalian signal peptide operatively linked to a protein that would normally not be secreted from a mammalian cell, said signal peptide allowing at least some of said protein to be synthesized on the endoplasmic reticulum in a manner so that said protein can be secreted, the nucleic acid molecule comprising a deletion, insertion, or substitution in respect to all or part of a 3' untranslated region, relative to the corresponding region present in naturally occurring RNA encoding said protein, such that the region's effect in directing molecules to an intracellular location other than the endoplasmic reticulum or to free and/or cytoskeletal bound polysomes is eliminated or reduced relative to the corresponding naturally occurring sequence.

10. The nucleic acid molecule of claim 9, which is DNA.

11. The nucleic acid molecule of claim 9, which is RNA.

12. The nucleic acid molecule of claim 9, wherein said signal sequence is a signal sequence normally associated with a protein which is secreted from mammalian cells.

13. The nucleic acid molecule of claim 12, wherein said protein is a growth hormone, a milk protein or albumin.

14. A vector comprising the nucleic acid molecule of claim 9.

sub 1
15. A mammalian cell comprising the nucleic acid molecule of claim 9, wherein said cell is in a cell culture or in a non-human animal.

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16. A method of obtaining a protein from a mammalian cell, comprising expressing the protein in the cell using a nucleic acid of claim 9 and allowing the cell to secrete the protein.

17. A nucleic acid molecule capable of hybridizing to a nucleic acid molecule as described in claim 9.

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18. A vector comprising the nucleic acid molecule of claim 17.

19. A mammalian cell comprising the nucleic acid molecule of claim 17, wherein said cell is in a cell culture or in a non-human animal.

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20. A method of obtaining a protein from a mammalian cell, comprising expressing the protein in the cell using a nucleic acid of claim 17 and allowing the cell to secrete the protein.

21. A chimeric protein comprising a mammalian signal peptide linked to a protein that would normally not be secreted from a mammalian cell, wherein said protein is produced by expressing the nucleic acid molecule of claim 9.